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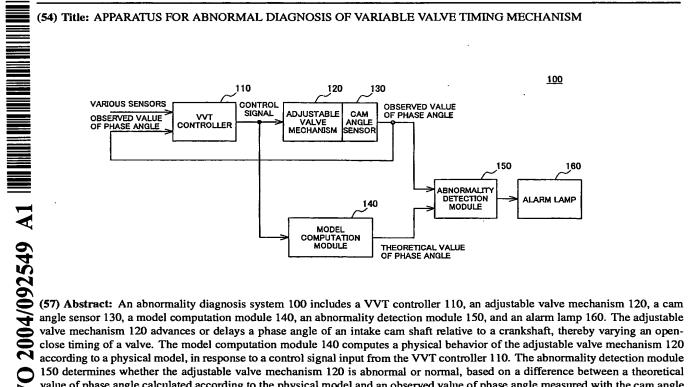
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(54) Title: APPARATUS FOR ABNORMAL DIAGNOSIS OF VARIABLE VALVE TIMING MECHANISM



150 determines whether the adjustable valve mechanism 120 is abnormal or normal, based on a difference between a theoretical value of phase angle calculated according to the physical model and an observed value of phase angle measured with the cam angle sensor 130. The arrangement of the invention ensures highly accurate abnormality diagnosis of the adjustable valve mechanism 120.

